

**Recra LabNet Philadelphia
Analytical Report**

Client: TNU HANFORD B00-056

RFW #: 0009L524

SDG/SAF#: H1032/B00-056

W.O. #: 10985-001-001-9999-00

Date Received: 09-08-00

RECEIVED
DEC 05 2000

GC SCAN

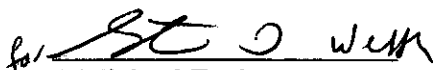
EDMC

The set of samples consisted of two (2) water samples collected on 08-29-00.

The samples and their associated QC samples were prepared on 09-12-00 and analyzed by methodology based on EPA Method 8015B for Methanol on 09-14-00.

The following is a summary of the QC results accompanying these sample results and a description of any problems encountered during their analyses:

1. The samples were packaged and stored as specified in the method protocol; the cooler temperature upon receipt has been recorded on the chain-of-custody.
2. The samples were prepared within 4 days of sample receipt and analyzed within 2 days of preparation.
3. All initial calibrations associated with this data set were within acceptance criteria.
4. All continuing calibration standards analyzed prior to the sample extracts were within acceptance criteria.
5. Recra does not use surrogate spikes for this analysis. The method does not provide specific guidance regarding the use of surrogates and performance criteria. Method performance is monitored through the use of blank spikes and matrix spikes.
6. The blank spike recovery was within advisory control limits of 50%-150%.
7. The matrix spike recoveries were within the advisory control limits of 50%-150%.
8. I certify that this sample data package is in compliance with SOW requirements, both technically and for completeness, other than the conditions detailed above. The laboratory Manager or a designee, as verified by the following signature, has authorized release of the data contained in this hard-copy data package.


J. Michael Taylor
Vice President
Philadelphia Analytical Laboratory

09-29-00

Date

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The results presented in this report relate only to the analytical testing and conditions of the samples at receipt and during storage. All pages of this report are integral parts of the analytical data. Therefore, this report should only be reproduced in its entirety of 6 pages.

GLOSSARY OF OGCSC DATA

DATA QUALIFIERS

- U = Indicates that the compound was analyzed for but not detected. The minimum detection limit for the sample (not the method detection limit) is reported with the U (e.g., 10U).
- J = Indicates an estimated value. This flag is used in cases where a target analyte is detected at a level less than the lower quantification level. If the limit of quantification is 10 ug/L and a concentration of 3 ug/L is calculated, it is reported as 3J.
- B = This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination.
- E = Indicates that the compound was detected beyond the calibration range and was subsequently analyzed at a dilution.
- I = Interference.

ABBREVIATIONS

- BS = Indicates blank spike in which reagent grade water is spiked with the CLP matrix spiking solutions and carried through all the steps in the method. Spike recoveries are reported.
- BSD = Indicates blank spike duplicate.
- MS = Indicates matrix spike.
- MSD = Indicates matrix spike duplicate.
- DL = Indicates that recoveries were not obtained because the extract had to be diluted for analysis.
- NA = Not Applicable.
- DF = Dilution Factor.
- NR = Not Required.
- SP = Indicates spiked compound.

GC SCAN

RFW Batch Number: 0009L524

Client: **TNU-HANFORD B00-056**

Work Order: 10985-001-001-9999-00

Page: 1

	Cust ID:	B104B5	B104B5	B104B5	B104B6	BLK	BLK BS
Sample Information	RFW#:	001	001 MS	001 MSD	002	00LLC170-MB1	00LLC170-MB1
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L

Methanol	5.0	U	101	%	94	%	5.0	U	5.0	U	83	%
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1109/25-1w.

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

Recra LabNet - Lionville Laboratory
 GCSC ANALYTICAL DATA PACKAGE FOR
 TNU-HANFORD B00-056

RFW LOT # :0009L524

CLIENT ID	RFW #	MTX	PREP #	COLLECTN	DATE REC	EXT/PREP	ANALYSIS
B104B5	001	W	00LLC170	08/29/00	09/08/00	09/12/00	09/14/00
B104B5	001 MS	W	00LLC170	08/29/00	09/08/00	09/12/00	09/14/00
B104B5	001 MSD	W	00LLC170	08/29/00	09/08/00	09/12/00	09/14/00
B104B6	002	W	00LLC170	08/29/00	09/08/00	09/12/00	09/14/00
LAB QC:							
BLK	MB1	W	00LLC170	N/A	N/A	09/12/00	09/14/00
BLK	MB1 BS	W	00LLC170	N/A	N/A	09/12/00	09/14/00

9/14/00

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

**RECRA
LabNet**

[illegible]

Special Instructions: Soft Boo - 0.5

DATE/REVISIONS:

1. Pen Matrix AC

RECRA LabNet Use Only

Samples were:

1) Shipped ☒ or
Hand Delivered ☐

Airbill # _____

2) Ambient or Chilled ☒

3) Received in Good
Condition ☒ or N ☐

4) Labels Indicate
Properly Preserved ☒ or N ☐

5) Received Within
Holding Times ☒ or N ☐

COC Tape was:

- 1) Present on Outer Package ☒ Y or N
- 2) Unbroken on Outer Package ☒ Y or N
- 3) Present on Sample ☒ Y or N
- 4) Unbroken on Sample ☒ Y or N

COC Record Present Upon Sample Rec'l ☒ Y or N

Cooler Temp 32 C

Relinquished by	Received by	Date	Time
Heider	D. J. [Signature]	9/8/00	0745

Relinquished by	Received by	Date	Time
COMPOSITE WASTE		Original REWRITTEN	

Discrepancies Between
Samples Labels and
COC Record? Y or N

NOTES:

#423579538853

Bechtel Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				B00-056-008		Page <u>1</u> of <u>1</u>	
Collector R.B. Kerkow		Company Contact J. Fancher		Telephone No. 373-9123		Project Coordinator TRENT, SJ		Price Code 8K Data Turnaround	
Project Designation 100-NR-1 TSD Sites R. A. Sampling - Water		Sampling Location 116-N-3 Trench Floor		SAF No. B00-056		Air Quality <input type="checkbox"/> 15 DAYS			
Ice Chest No. ERC 99.029 (207)		Field Logbook No. EL-1524		COA R1325N2600		Method of Shipment FED EX			
Shipped To TMA/RECRA		Offsite Property No. A000812		Bill of Lading/Air Bill No. 42357453-8853					
POSSIBLE SAMPLE HAZARDS/REMARKS Potentially Radioactive Special Handling and/or Storage				Preservation		Cool 4C			
				Type of Container		Gs*			
				No. of Container(s)		1			
				Volume		40mL			
SAMPLE ANALYSIS				Alcohols, Glycols, & Ketones - 8015M (Methanol)		TIE ALL TO B103N9 Tie TO			
Sample No.		Matrix *		Sample Date		Sample Time			
B104B5		WATER		8-29-00		1402		X	
B104B6		WATER		8-29-00		1402		X	
CHAIN OF POSSESSION				SPECIAL INSTRUCTIONS				Matrix *	
Relinquished By Imahara		Date/Time 8-29-00 1040		Received By Ref #3B		Date/Time 8-29-00 1040		Lab COA: R1325N-2F00 Samples stored in Ref.# 3B at the 3728 Shipping Facility on 9/1/00 Collector not available to relinquish samples on 9/1/00 for shipment. <div style="text-align: right;">RT 9.7.00</div>	
Relinquished By Removed		Date/Time 9.7.00 10400		Received By R. Thorne		Date/Time 9.7.00			
Relinquished By R. Thorne		Date/Time 9.7.00		Received By FED EX		Date/Time			
Relinquished By RECRA		Date/Time 9.8.00 10445		Received By D. Thorne		Date/Time 9.8.00 10445			
Relinquished By		Date/Time		Received By		Date/Time			
Relinquished By		Date/Time		Received By		Date/Time			
LABORATORY SECTION		Received By		Title				Date/Time	
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By				Date/Time	